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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/753,477
		Filing Date	01/08/04
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AN H. DO
Sheet 1	of 7	Attorney Docket Number	ZE002US

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,719,602 *	Feb 17, 1998	Hackleman et al	
		US- 6,312,114 *	Nov 6, 2001	Silverbrook	
		US- 4,708,130 *	Nov 10, 1987	Yamakawa	
		US- 4,947,192 *	Aug 7, 1990	Hawkins et al	
		US- 5,107,276 *	Apr 21, 1992	Kneazel et al	
		US- 5,160,945 *	Nov 3, 1992	Drake	
		US- 5,412,410 *	May 2, 1995	Rezanka	
		US- 5,867,183 *	Feb 2, 1999	Cornell et al	
		US- 5,218,754 *	Jun 15, 1993	Rangappan	
		US- 5,565,900 *	Oct 15, 1996	Cowger et al	
		US- 5,057,854 *	Oct 15, 1991	Pond et al	
		US- 6,007,187	Dec 28, 1999	Kashino et al	
		US- 5,896,155	Apr 20, 1999	Lebens et al	
		US- 5,812,159	Sep 22, 1998	Anagnostopoulos et al	
		US- 4,855,567	Aug 8, 1989	Mueller	
		US- 5,719,604	Feb 17, 1998	Inui et al	
		US- 5,666,141	Sep 9, 1997	Majoba et al	
		US- 4,672,398	Jun 9, 1987	Kuwabara et al	
		US- 4,737,802	Apr 12, 1988	Mielke	
		US- 5,029,805	Jul 9, 1991	Albarda et al	
		US- 5,258,774	Nov 2, 1993	Rogers	
		US- 4,553,393	Nov 19, 1985	Ruoff	
		US- 4,864,824	Sep 12, 1989	Gabriel et al	
		US- 4,423,401	Dec 27, 1983	Mueller	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 40400105A *	Jan 6, 1992	Komai		
		WO 01/42020 *	Jun 14, 2001	Silverbrook		
		EP 0-842-777-B1 *	May 20, 1998	Canon Kabushiki		
		EP 0-713-774	May 29, 1996	Sharp Kabushiki Kaisha		
		DE 195.16.997	Nov 16, 1995	Sharp K.K		
		DE 195 23 620	Dec 19, 1996	Sharp K.K		
		JP 2-108544 (Abstract)	Apr 20, 1990	Seiko Epson Corp		
		JP 2-92643 (Abstract)	Apr 3, 1990	Seiko Epson Corp		
		JP 4-353458 (Abstract)	Dec 8, 1992	Brother Ind Ltd		
		JP 6-91865 (Abstract)	Apr 5, 1994	Seikosha Co Ltd		
		JP 6-91866 (Abstract)	Apr 5, 1994	Seikosha Co Ltd		
		JP 2-265752 (Abstract)	Oct 30, 1990	Matsushita Electronic Ind Co Ltd		

Examiner Signature	<i>[Signature]</i>	Date Considered	5/13/04
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0 634 273	Jan 18, 1995	Sharp Kabushiki Kaisha		
		DE 195 32 913	Mar 28, 1996	Sharp K.K		
		JP-58-112747 (Abstract)	Jul-5-1983	Fujitsu-KK		
		DE 43 28 433	Mar. 2, 1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	Feb 4, 1986	Canon Inc		
		JP 01 128839 (Abstract)	May 22, 1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)	Apr 27, 1992	Seiko Epson Corp		
		GB 2 262 152	June 9, 1993	Willatt Int Ltd		
		DE-195-16-997	Nov-16-1995	Sharp K.K.		
		JP.05.318724 (Abstract)	Dec.3.,1993	Seikosha Co Ltd		
		JP 02 162049 (Abstract)	Jun 21, 1990	Seiko Epson Corp		
		DE 32 45 283	Jun 7, 1984	Siemens AG		

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				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	Aal H. D.O
				Attorney Docket Number	ZE002US
Sheet	3	of	7		

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		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
<i>[Signature]</i>		JP 04 368851 (Abstract)	Dec 21, 1992	Seiko Epson Corp		
<i>[Signature]</i>		JP 02 158348 (Abstract)	Jun 18, 1990	Minolta Camera Co Ltd		
<i>[Signature]</i>		JP 03-112662 (Abstract)	May-14-1991	Seiko-Epson-Corp		
<i>[Signature]</i>		JP.03.653348. (Abstract)	Mar. 20, 1991	Matsushita Electric Ind. Co		
<i>[Signature]</i>		EP 0 431 338	Jun 12, 1991	Matsushita Electric Ind Co		
<i>[Signature]</i>		JP 01 257058	Oct 13, 1989	Seiko Epson Corp		
<i>[Signature]</i>		DE 195 17 969	Nov 30, 1995	Sharp K.K		
<i>[Signature]</i>		DE 196 39 717	Apr 17, 1997	Sharp K.K		
<i>[Signature]</i>		EP 0 737-580	Oct-16-1996	Canon K.K		
<i>[Signature]</i>		EP.0.882.590	Dec.9, 1998	Canon K.K		
<i>[Signature]</i>		EP 0 478 956	Apr 8, 1992	Kernforschungsuz Karlsruhe GMBH		
<i>[Signature]</i>		DE 1 648 322	Mar 24, 1971	VDO Tachometerwerke GMBH		

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
<i>W</i>		GB 1 428 239	Mar 17, 1976	Cible Projecteurs		
<i>W</i>		DE 39 34 280	Apr 26, 1990	CAE di Cipellati Albarto		
<i>W</i>		DE 29 05 063	Aug 14, 1980	Olympia-Werke AG		
<i>W</i>		WO 94.18010	Aug 18, 1994	Domino Printing Sciences PLC		
<i>W</i>		EP 0 398 031	Nov 22, 1990	Seiko Epson Corp		
<i>W</i>		EP 0 427 291	May 15, 1991	Seiko Epson Corp		
<i>W</i>		JP 01 115639 (Abstract)	May 8, 1989	Ricoh Co Ltd		
<i>W</i>		JP 58 116185 (Abstract)	Jul 11, 1983	Canon K.K		
<i>W</i>		EP 0 627-314	Dec 7, 1994	Olivetti Canon-Ind SPA		
<i>W</i>		JR 61.268453 (Abstract)	Nov 27, 1988	Olympus Optical Co Ltd		
<i>W</i>		JP 04 118241 (Abstract)	Apr 20, 1992	Seiko Epson Corp		
<i>W</i>		EP 0 508 232	Sep 30, 1992	Videojet Systems Int, Inc		

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			Art Unit	2853	
			Examiner Name	AN H. DO	
			Attorney Docket Number	ZE002US	
Sheet	5	of	7		

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10		JP 07 314665 (Abstract)	Dec 5, 1995	Canon Inc	
10		JP 03'180350	Aug 6, 1991	Seiko Epson Corp	
10		WO-97-12689	Apr-10,-1997	The Board-of-Trustees-of-the-Leland Stanford University	
10		JP 02 050841 (Abstract)	Feb 20, 1990	Seiko Epson Corp	
10		EP 0 510 648	Oct 28, 1992	lvri Yehuda	
10		JP 05 28765 (Abstract)	Oct 29, 1993	Canon Inc	
10		JP 04'141429 (Abstract)	May 14,-1992	Seiko' Epson Corp	
10		JP-01-105746 (Abstract)	Apr-24,-1989	Ricoh Co-Ltd	
10		GB.792.145	Mar.19,-1958	Technograph-Printed Circuits Ltd	
10		EP 0 750 993	Jan 2, 1997	Canon K.K	
10		JP 01 306254 (Abstract)	Dec 11, 1989	Seiko Epson Corp	

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			First Named Inventor	Kia Silverbrook	
			Art Unit	2853	
			Examiner Name	AAJ H. DO	
			Attorney Docket Number	ZE002US	
Sheet	6	of	7		

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First Named Inventor		Group Art Unit	
	Kia Silverbrook		2853
Examiner Name		Attorney Docket Number	
	AN H. DO		ZE002US
Sheet	7	of	7

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Sg		*NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol. 55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
B		*ATAKA, MANABU et al, "Fabrication and Operation of Polymide-Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
B		*YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	

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An H. DO	5/13/04

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